



CITY AND COUNTY OF SAN FRANCISCO  
**COMMISSION ON THE ENVIRONMENT DIRECTOR'S REPORT**  
January 23, 2018

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*This report covers San Francisco Department of the Environment updates for the period of November 1 – December 31, 2017. Glossary of acronyms at bottom of report.*

**Residential Programs**

- SCHOOL ED: Gave 98: assemblies, presentations, and trainings to 15,521 students at 55 schools.
- ENGAGEMENT/COMMUNITY RELATIONS: SFE Staff tabled, partnered or participated in 14 events ranging from a gigantic Science Fair at ATT Park to talking to shoppers about the new bin system. Staff interacted with more than 3000 children and residents. Events included:
  - o TOXICS: Presented Safe Cleaning/ Healthy Living Tips to 70 SF residents at Mission YMCA, Catholic Charities, Bethel Church, and Park Merced YMCA.
  - o COMMUNITY RELATIONS: Tabled at the USF Breath Easy Health Fair
  - o COMMUNITY RELATIONS/SCHOOL ED/TOXICS: Provided activities at the Bay Area Science Festival Discovery Day, reaching 1000 people.
  - o COMMUNITY RELATIONS/SCHOOL ED: Tabled at Waldorf School's Winter Fair, reaching 50 students.
  - o COMMUNITY RELATIONS/SCHOOL ED: Tabled at SF City Hall Toy & Book Festival, reaching 1100 children.
  - o COMMUNITY RELATIONS/ENVIRONMENT NOW: Tabled in the Sunset about new bin system.
  - o COMMUNITY RELATIONS: Participated in multiple community outreach and engagement days with the Cigarette Butt Pilot Project in the Sunset and Richmond.
- ENERGY: The BayREN multifamily energy efficiency program, implemented by the Department, celebrated its fifth year of offering program services and incentives to this sector of the community. It also finished more than 100% of its 2017 contractual goal (via ABAG), with 2/3 of the completed projects in the affordable multifamily sector. Notable enrollees included the Chinatown Community Develop Center, Tenderloin Neighborhood Development Center, and Episcopal Community Services.
- OUTREACH (ENVIRONMENT NOW)/ZERO WASTE: Completed door-to-door educational outreach for Treasure Island residents to introduce them to their new composting program and to address the new items now accepted in the recycling program. We spoke with 75% of households on the island or 448 residents utilizing the following languages: English, Chinese (Mandarin and Cantonese) and Spanish.
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- OUTREACH: Launched a multi-faceted neighborhood Zero Waste campaign to inform residents and businesses in the Sunset and Richmond neighborhoods about the changes to the recycling and composting programs. The campaign integrates digital marketing, and advertising with grassroots engagement. It officially launched at the end of November 2017 and will continue through the end of January for these locations. The marketing and advertising was executed in Chinese and English and includes, bus shelter ads, geo-targeted digital ads, including mobile and paid social media posts through Facebook and Instagram. Additional social media platforms are also being used for organic (non-paid) advertising on NextDoor and Twitter. The grassroots outreach started in the western part of the Sunset and includes in-person engagements through a variety of tactics including, door to door outreach at residents' homes, tabling at strategic locations with high foot traffic, and creating partnerships with the small-medium sized businesses and nonprofits for additional training and community presentation opportunities.
- OUTREACH: With the launch of SFRecycles.org, SFE introduced a tool that allows San Franciscans to easily identify recyclable, compostable, landfill and hazardous or bulky materials (coined "no bin" materials). The launch of SFRecycles.org coincided with the fall expansion of the city's acceptable recyclable materials, which are highlighted prominently at the top of the page. The website is featured on Zero Waste bin labels and other signage city-wide.
- OUTREACH/TOXICS - Launched a campaign targeted to engage Spanish speaking San Francisco residents that change their own motor oil. The campaign direction and creative was informed by the feedback, insights and perspectives of a 10-person focus group of Spanish-speaking San Francisco residents who change their own motor oil. The end product was an animated video featuring an Abuela as the narrator. The video currently has 220K YouTube views.
- OUTREACH - SF Environment has partnered with over 40 San Francisco organizations and City departments to help get 100,000 LEDs installed in the homes of low-income, formerly homeless, senior, disabled and other disadvantaged residents at no cost to them. Changing light bulbs may seem insignificant, but once installed, these energy efficient LEDs will save over 1 million dollars in electricity bills each year, and last 25 times longer than traditional bulbs. Of note, this is the largest LED giveaway in history and another example of our continuing commitment to improving quality of life and affordability for San Francisco's most vulnerable residents while fighting climate change.
- OUTREACH - We recently wrapped a campaign raising awareness among homeowners of San Francisco's residential PACE program. The advertising campaign ran from October through November 2017 and included strategic advertising to English- and Chinese-speaking households. This campaign featured 205 Chinese radio spots, 1.3 million internet radio impressions, 1.3 million targeted online advertising and social media impressions and 44 transit shelter ads. 11 of which are still up – representing an additionally \$32,000 in bonus time. We received almost 10 thousand page views as a result of this campaign and are working with PACE vendors to determine the number of projects that result from this campaign over the next few months.

- OUTREACH - SFE partnered with Friends of the Urban Forest (FUF) for the 14th year in support of the annual Green Holiday Tree program, which invites San Franciscans to foster a 4 to 6-foot tall living tree for the holiday season. After greening homes and businesses for the holidays, FUF eventually plants the young trees on the streets of San Francisco, where they provide environmental benefits by capturing carbon, cleaning the air, reducing stormwater runoff, and providing wildlife habitat. This year, 12 businesses citywide supported the program by hosting display trees in their offices to encourage the participation of employees and visitors. The Department also sponsored a social media campaign in support of the program to promote awareness and participation among residents. 155 trees were fostered for the 2017 program cycle, a 55% increase year-over-year.
- TOXICS REDUCTION: Completed 80 site visits to retail partners who collect household batteries, fluorescent lights, paint, small gas cylinders, medicine and/or sharps for proper disposal from San Francisco residents.
- URBAN FORESTRY: SF Environment partnered with Friends of the Urban Forest (FUF) for the twelfth year on the Green Holiday Tree campaign. A total of 155 trees were rented, up from 107 last year. A dating app outreach campaign was featured on social media and at ten businesses who hosted trees in their lobbies to promote the program.
- ZERO WASTE: Conducted door to door outreach and community presentations at 8 apartment buildings totaling 495 units. Performed refuse assessments at 16 buildings and provided 9 zero waste actions plans. Sent letters to 26 buildings with contamination, issued 1 contamination charge and closed refuse chutes at 3 buildings. Launched apartment compostable bag program with Recology and EcoSafe, purchased equipment and rolled out first building. Scheduled Sunnydale composting and recycling re-rollout, and finalized letter for residents.

### **Commercial Programs**

- ENERGY: For calendar-year 2017, San Francisco Energy Watch completed 480 projects across the city, totaling 115% of its annual gross peak kW goal. The Department has implemented the program in partnership with PG&E since 2006, providing commercial and multi-family property owners, managers and businesses with professional energy efficiency services and incentives.
- ENERGY: Staff attended the BOMA Energy & Environment Commission meeting to update members on an end-of-year bonus for completed energy efficiency projects.
- ENERGY: Staff participated in the Calle 24 Business mixer to network with merchants and promote the SFEW program services.
- ENERGY: Staff hosted a contractor appreciation breakfast at the Department to thank the active SFEW program contractor community for years of collaboration and support that enables the team to serve the community.
- ENERGY: Staff continued collaboration with Mayor's Office and the Port of San Francisco to advance the use of renewable diesel in marine fleets by holding a follow-up meeting with stakeholders. Golden Gate Ferry agreed on next steps to implement a one-year engine test of

renewable diesel in one of their fleet vessels in cooperation with the engine manufacturer beginning in Quarter 1, 2018. Once the engine test parameters are defined and approved, there will be a meeting with CARB and EPA to evaluate the feasibility of emissions testing. The next full stakeholder meeting is scheduled (February).

- ENERGY: As part of a USDOE grant working to transform the marketplace for FCEVs and supporting infrastructure (e.g., hydrogen fueling), SFE organized Regional Briefings for elected officials, local agency representatives, planners, code officials, and fire safety throughout the Bay Area. Developed in collaboration with the Governor's Office of Business Development and the California Fuel Cell Partnership, these Regional Briefings will be held in San Jose and San Francisco to provide an update on California's growing hydrogen fueling network and developments in FCEV technology and availability. Commissioners have been invited to join the San Francisco briefing on Friday, January 26, 9-12PM.
- GREEN BUILDING/CLIMATE: Partnered with California Statewide Community Development Authority (CSCDA) and BayREN to deliver an informational webinar to local governments regarding new PACE consumer protections laws that were passed in September, and commercial PACE updates.
- TOXICS/GREEN BUSINESS PROGRAM: Entering month sixth for the Tiered Certification Pilot. Currently have 48 businesses signed up for the pilot program and have certified 1 Participant business (first level), 39 Certification businesses (second level), and 4 Innovator businesses (third level).
- TOXICS/GREEN BUSINESS PROGRAM: 57 Green Businesses have been recognized this calendar year, bringing the total businesses certified in the program to 302 Green Businesses.
- TOXICS/GREEN BUSINESS PROGRAM: Staff tabled at five business events during November and December (including the Calle 24 Business mixer, SurfRider mixer, two Facebook for Small Businesses workshops, and a SBA Storytelling workshop) to network with organizations and promote the Green Business Program.
- TOXICS/GREEN BUSINESS PROGRAM: Staff conducted three corridor walks during Nov. and Dec. in the West Portal, Castro, and Mission neighborhoods to spread awareness about our program and recruit businesses.
- TOXICS/GREEN BUSINESS PROGRAM: Staff made 36 touches (phone calls & site visits) during Nov. and Dec. with businesses to assist them through the certification process.
- TOXICS REDUCTION: There are now 45 recognized Healthy Nail Salons in San Francisco and 8 in process, out of a total of approximately 250 nail salons in San Francisco. To date,

approximately 480 nail salon technicians have been trained. These Nail Salons will be honored at the Green Business Awards.

- TOXICS REDUCTION: 58 furniture retailers in San Francisco have now pledged to sell furniture that is free of chemical flame retardants, out of approximately 200 furniture retailers in the City. There are a total of 231 furniture retailers in California who have pledged to sell furniture that is free of chemical flame retardants. Mailers will be sent out to all furniture and juvenile product retailers in February informing them of SF's new flame retardant ban.
- ZERO WASTE: Worked with 29 small and 10 medium accounts to improve source separation and right-size service, and 3 others that resulted in removal of contamination charges. Worked with Waste Management Corporate Accounts division of Waste Management to improve participation at Stonestown. Worked with Office of Community Development and Infrastructure to remove liquifiers from Candlestick development plan. Participated in SF Port tour to identify potential debris management sites. Approved 17 demolition debris recovery plans resulting in 12,378 tons of material recovered at an average rate of 89%. JS

### **City Department Programs**

- ENERGY: Per the direction of the Mayor's EV Working Group, staff organized and convened a new Electric Mobility Subcommittee of interdepartmental/agency stakeholders. The Subcommittee is tasked with developing a citywide Electric Mobility strategy to electrify private sector transportation in San Francisco, and report back to the EVWG in June 2018. Staff is the organizing chair of the Subcommittee which is co-chaired by SFMTA and SFPUC.
- TOXICS: Sponsored a December 5 training for Recreation & Park Department gardeners on using weed flamers as an alternative to herbicides.
- TOXICS: Sponsored the first Bay Friendly Landscaping training for Public Works staff (4 days in November).
- TOXICS: Finalized new green purchasing specifications for furniture that include prohibitions on flame retardants, antimicrobials and fluorinated compounds which is a class of persistent, bioaccumulative chemicals.
- BIODIVERSITY: Completed and published the 3rd Edition of the Nature in the City MAP with multiple agency and non-profit collaborators.
- BIODIVERSITY/CLIMATE/EJ: Completed (under contract with AECOM) a unique revegetation guidebook for projects on the Blue Greenway and throughout southeast San Francisco.
- BIODIVERSITY: Grand opening of Hummingbird Farm at Crocker Amazon/McLaren Park, for which SFE provided ecological expertise to ensure compatibility with the surrounding natural area.
- ZERO WASTE: Presented to 62 employees from the Department of Public Health, San Francisco Public Library Sunset Branch and SFE on zero waste.

- GREEN BUILDING: Municipal Green Building Task Force recommended one green building requirements waiver for approval to the SFPD Traffic Company & Forensic Services Division Facility.
- CLIMATE: The Municipal Climate Action Program in partnership with DPH and MTA completed an analysis of a future San Francisco bicycle infrastructure project to understand the inclusive benefits the project could provide in addition to reducing greenhouse gas emissions. This effort, which was completed with technical support and assistance from C40's Healthy Liveable Cities program, provides both a high value process that can be repeated for other climate related efforts and detailed information about the health, safety and environmental benefits of bike infrastructure improvements.
- GREEN BUILDING: As part of ongoing coordination with Planning Department staff to advance sustainability in the built and natural environments, staff attended a workshop on Regenerative Urbanism and commented on the final study report. Staff are also engaged in developing and disseminating a Sustainable Neighborhood Framework that articulates how San Francisco can transition to a low/zero carbon, regenerative, and sustainable city.

#### **New/Revised Legislation and/or City Hall activity**

- ZERO WASTE: Worked with CalRecycle and submitted online comments on SB 1383 draft regulations to keep organics out of landfills by requiring local mandatory organics (including food) separation and recovery.

#### **Press and Media Highlights**

- COMMUNITY RELATIONS: The Department participated in the official launch and press event for the [Look Ahead Project](#) which uses virtual reality to visualize the impacts of sea level rise and potential solutions at 3 sites in San Francisco: Ferry Plaza/Embarcadero, Bayview/Heron's Head, and Mission Creek. This FEMA-funded project has been in the works for almost a year and has involved stakeholder support from various City agencies, including our Department.
- COMMUNITY RELATIONS: SF Gov TV produced a short piece on the San Francisco Carbon Fund.
- ZERO WASTE: Senator Scott Wiener, Mayor Lee, and the Department co-hosted a press conference in December at Ted's Deli in SOMA to celebrate the passage of SB 458. The bill, authored by Senator Wiener, will help San Francisco and other local jurisdictions improve access to recycling redemption centers by providing greater flexibility for meeting the requirements of the state's Bottle Bill. The event garnered coverage from a number of TV and print outlets, including: [SF Weekly](#), [SF Examiner](#), [KPIX](#), [KGO](#), and [KTVU](#). Sadly, this press conference was one of Mayor Lee's last public appearances before passing away unexpectedly on December 12<sup>th</sup>.

- ZERO WASTE: The Department co-hosted the 31<sup>st</sup> Annual Tree Chipping press event outside of City Hall on December 28<sup>th</sup> to remind residents to set out their Christmas trees for recycling between January 2-12<sup>th</sup>. Director Raphael along with officials from Public Works and Recology helped demonstrate how collected Christmas trees in San Francisco will get chipped into mulch and then used in landscape projects. This year's event received a wide array of press coverage, including a multi-page spread in the [SF Chronicle](#) in addition to [Bay City News](#), [SF Examiner](#), [SF Weekly](#), [KTVU](#), [KQED](#), [NTDTV](#), and [KTSE](#).

### **Staff Changes**

- COMMUNITY RELATIONS: Welcomed four new interns from Youthworks, a Mayor's Office program which provides paid public service internships to high school aged youth. 2017/18 interns are Cherrel Cain, a junior at Mission High; Alfoso Lopez-Garcia, a senior at St Ignatius; Helen Berhane, a junior at George Washington High; and Jacky Zhong, a senior at Lowell High. This gifted group of interns will be doing grassroots outreach and working on specific projects.
- OUTREACH: Margaret McCarthy has joined the Outreach and Communications team to head up programming as our Senior Transportation Marketing Specialist

### **RFP's posted/ Outgoing Grants and Contracts Awarded (who/amount/ summary)**

- The SF Carbon Fund posted two Request for Proposals:
  - o One seeking community greening projects that mitigate and sequester carbon, in addition to providing a range of co-benefits. \$150,000 was released for 5-8 projects. Proposals due 12/21/17
  - o One seeking one or two organizations to support San Francisco's faith based institutions to become Low Carbon Congregations by helping them calculate their carbon footprint, create plans to reduce the emissions and connect them to city resources. \$120,000 available. Proposals due on 1/16/18
- BIODIVERSITY: Awarded a \$84,700 grant from the Urban Sustainability Directors Network to lead a multi-city collaboration to create a suite of tools to implement the Urban Biodiversity Inventory Framework.

### **Public Events/Conferences (e.g., conferences attended, speaking engagements, travel for work, etc)**

- ENERGY: Staff coordinated, and facilitated a Bay Area Energy Storage Fire Safety and Code Symposium to convene industry experts with local San Francisco Bay Area (9 county) fire and code officials. The goal of the Symposium was to inform stakeholders of near-term energy storage market projections, technology options, and upcoming 2019 standards and code changes for fire safety. Presentations were provided by the State Fire Marshall, CAISO, the California Energy Storage Alliance, Bloomberg New Energy Finance, Tesla, Stem, and Underwriters Laboratory. In total, 81 local government representatives from as far as Southern California and Nevada joined the Department for the daylong event.

- ENERGY: Hosted the annual Norcal Solar member meeting in the EcoCenter, attended by 25 industry professionals, with presentation by Danny Kennedy from the California Clean Energy Forum.
- COMMUNITY RELATIONS: Represented the Department at the Commission on the Status of Women annual awards event.
- COMMUNITY RELATIONS: Represented the Department at the Mayor's Annual American Indian Heritage event at City Hall.
- COMMUNITY RELATIONS: Represented the Department at the Diversity in Education workshop presented by the InnerAct project.
- COMMUNITY RELATIONS: Represented the Department at the public presentation by winners of the Resiliency by Design project.
- COMMUNITY RELATIONS: Represented the Department at the East Cut Community Luncheon recognizing partners working together to end homelessness and clean up the streets near Transbay Terminal.
- COMMUNITY RELATIONS: Represented the Department as Master of Ceremonies at the Climate Music Project showcase gala.
- GREEN BUSINESS PROGRAM: Staff hosted a panel event on social impact investing at SFE to provide a networking opportunity for green business employees and to educate the public on making a positive impact with personal finances. We had three industry experts present to speak on the topic, including Nate Eddinger from Woven Prosperity, Dale Wannan from Sustainvest, and Justina Lai from Wetherby Asset Management. About 70 people signed up to attend and 45 people participated. These numbers do not include volunteers.
- TOXICS: The IPM Program organized a December 7 educational meeting on the status of Sudden Oak Death and the prospects for its control in the region.
- ZERO WASTE/GREEN BUILDING: Attended EPA Region 9 Deconstruction Best Practices and Policy Considerations workshop. Presented on our organics recovery programs in Waste 360 webinar to 151 nationwide participants and SF bag policy to head of municipal government of Eilat, Israel. Lectured at SFSU Geography of Garbage course. Participated on Commonwealth Club Climate Game Changer panel.
- GREEN BUILDING: Attended Greenbuild International Conference and Expo and presented on carpet regulations that are being developed by the Department as part of updates that were made to the Municipal Green Building Code and the Administrative Code.

## Other Noteworthy items (e.g., awards, milestones, proposals submitted, incoming grants, etc)

- GREEN BUSINESS PROGRAM: Staff is currently planning for the 2018 Green Business Awards, which will be hosted at the California Academy of Sciences on February 7. The purpose of this event is to celebrate the achievements of the businesses that earned certification in 2017. The night will feature a ceremony to award these businesses with plaques, along with networking sessions, a Green Business Expo where businesses can showcase their products/services and sustainability practices, and catered food and beverages. We will also have a few guest speakers, including Director Raphael, Jo Fleming (CAGBN Executive Director), and Jon Foley (Executive Director of the Academy).
- ENERGY: Staff successfully concluded a three-year Solar + Storage for Resiliency feasibility study funded by a USDOE grant. Staff also requested a project extension through December 2018 which was approved. The intent of the project is to identify facilities throughout the City designated to serve the community in time of emergency, prioritize critical electrical loads, and model the most appropriate Solar + Storage system for the site. Deliverables include a project roadmap, best practices guide, and a first of its kind online Solar + Storage modeling tool that stakeholders throughout the U.S. are able to access. Late in the project it was identified that to move potential solar + storage projects from feasibility study to implementation, additional cost benefit analysis needed to be conducted to help improve the economic feasibility of project deployment.
- CLIMATE: Successfully completed an investigation of the global warming implications of natural gas methane on local, state and national emissions. The report, entitled Methane Math: How Cities Can Rethink Emissions from Natural Gas was the culmination of an Urban Sustainability Directors (USDN) Innovation Funded project conducted in partnership with the City of Oakland and observing Cities of Aspen, Berkeley, Boston, Denver and Emeryville.
- GREEN BUILDING: Received Alliance Award from the American Institute of Architects, San Francisco in recognition of the Department's contributions to the advancement and enrichment of the quality of life in the Bay Area through a commitment to design excellence.
- CLIMATE/GREEN BUILDING: In coordination with the Mayor's Office, Real Estate Department and Planning Department launched two San Francisco sites as part of C40's Reinventing Cities competition. Reinventing Cities is a global competition that will result in urban projects that transform underutilized sites into beacons of sustainability and resiliency and demonstrates innovative pathways to carbon-neutrality and regeneration.
- COMMUNITY RELATIONS: SFE staff hosted 3 delegations
  - o COMMUNITY RELATIONS: Presented on Zero Waste to business representatives from Jeonju, Korea
  - o COMMUNITY RELATIONS: Presented on San Francisco's climate work to legislators from Buenos Aires
  - o GREEN BUILDING: Presented to a delegation from India

- CLIMATE/GREEN BUILDING: Kicked off the Green Cities California (GCC) led Building Electrification Workgroup which is bringing together city staff from across the state to exchange knowledge to advance beneficial electrification of the built environment. The workgroup is an outcome of the extremely successful Fall GCC meeting held in collaboration with the Local Government Sustainability Energy Coalition. Funding for the workgroup is being provided by GCC membership and Alameda County Stop Waste.
- ENVIRONMENTAL JUSTICE/ZERO WASTE: Staff graduated from a year-long training program of the Government Alliance on Race and Equity (GARE), a peer based collaborative working with local governments to institutionalize racial equity. Staff will continue to participate in GARE as a core member of SF's Racial Equity Team, led by the Human Rights Commission.

## **GLOSSARY**

ABAG: Association of Bay Area Governments  
 ACCO: Association of Climate Change Officers  
 AOA: Apartment Owners Association  
 BAAQMD: Bay Area Air Quality Management District  
 BOMA: Building Owners and Managers Association  
 BayREN: Bay Area Regional Energy Network  
 BC3: Business Council on Climate Change  
 C40: C40 Cities Climate Leadership Group  
 CAEECC: California Energy Efficiency Coordinating Committee  
 CAISO: California Independent Systems Operator  
 CalGreen: California State Green Building Code  
 CARB: California Air Resources Board  
 CEC: California Energy Commission  
 CNCA: Carbon Neutral Cities Alliance  
 CPUC: California Public Utilities Commission  
 DBI: SF Department of Building Inspection  
 DER: Distributed Energy Resources  
 DOE: U.S. Department of Energy  
 DPH: SF Public Health  
 DOT: U.S. Department of Transportation  
 ECBO: Existing Commercial Building (energy benchmarking) Ordinance  
 EJ: Environmental Justice  
 EPA: U.S. Environmental Protection Agency  
 EV: Electric Vehicle  
 EVWG: Electric Vehicle Working Group  
 FAA: Federal Aviation Administration  
 FCEV: Fuel Cell Electric Vehicles  
 FUF: Friends of the Urban Forest  
 GARE: Government Alliance on Race and Equity

GHG: Green House Gas  
HERO: Home Energy Renovation Opportunity HOPE SF: Housing Opportunities for People Everywhere, San Francisco  
HHW: Household Hazardous Waste  
ILG: Institute for Local Governments  
IOU: Investor Owned Utility  
IPM: Integrated Pest Management  
kW: Kilowatt  
kWh: Kilowatt hour  
LEED: Leadership in Energy and Environmental Design Green Building Rating System  
LGC: Local Government Commission  
LGSEC: Local Government Sustainable Energy Coalition  
NCRA: Northern California Recycling Association  
NREL: National Renewable Energy Laboratory  
PACE: Property Assessed Clean Energy  
PEV: Plug-in Electric Vehicle  
PV: Photovoltaic  
RAD: Rental Assistance Demonstration  
SFEECC: SF Energy Efficiency Coordinating Committee  
SFEW: SF Energy Watch  
SFO: SF International Airport  
SFMTA: SF Municipal Transportation Agency  
SFPL: San Francisco Public Library  
SFPUC: SF Public Utilities Commission  
SFPW: SF Public Works  
SFUSD: San Francisco Unified School District  
Title-24 2016: California Energy Code 2016 version  
UCSF: University of California, San Francisco  
UFC: Urban Forestry Council  
USDN: Urban Sustainability Directors Network  
USDOE: United States Department of Energy  
USDOT: United States Department of Transportation  
U.S. EPA: US Environmental Protection Agency  
USF: University of San Francisco  
USGBC: United States Green Building Council  
ZW: Zero Waste